

# ABSTRACT

If after manufacture it is found that the thickness of a solid immersion lens is less than a target thickness value, an adjustment portion is adhered thereto by vapor deposition  
5 so as to reduce the amount of thickness deficiency. If the solid immersion lens is made of quartz glass,  $\text{SiO}_2$  is used as the material which is vapor deposited. If the thickness of the solid immersion lens is greater than the target value, then it is reduced by etching.